BRUHAT BANGALORE MAHANAGARA PALIKE

BYATARAYAPURA DIVISION, YELAHANKA ZONE

e of Work : Modified Estimate for Improvements to Drain, Chain link fencing and Construction of Gallery to Play ground at BEL layout 4th Block near Ganesh Temple in ward No 09 of Vidyaranyapura sub Division

Est cost : 5496863.35

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50 m and removing the debris to a distance upto 200m, No. 273/ Item No. 37.48 PWD SR 2013-14							AR	
SWD damaged wall	**cum**	2	90.00	0.60	1.60	172.80	133.56	23079.17
KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **Page No. 5 / Item No. 2.3/ PWD SR 2013-14**								
For foundation front fencing work	**cum**	**1**	114.90	0.75	0.75	64.63		
For CD		**1**	10.00	2.10	1.20	25.20		
Desilting of Front Side Drain		**1**	114.90	0.60	0.70	48.26		
Desilting of SWD		**1**	90.00	1.90	0.55	94.05		
Desilting of SWD		**1**	24.00	1.90	0.45	20.52		
Total Executed Qty						**252.66**	AR	
Total Executed Qty upto 125%						**192.85**	148.93	28721.15
Total Executed Qty above 125%						**59.81**	188.68	11284.81
Basic rate PWD SR 2015-16	178.00							
Add 6% AW	10.68							
	188.68							
KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix **M 7.5 withOPC** cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2,(P. No. 12 It No. 4.3 of PWD SR 2013-14)								
For SWD Drain bottom	**Cum**	1	90.00	3.40	0.15	45.90		
		1	24.00	2.65	0.15	9.54		
For fencing bottom front side		1	114.90	0.75	0.15	12.93		
For columns		27	1.20	1.20	0.15	5.83		
For CD		1	10.00	2.10	0.15	3.15	AR	
						77.35	4211.38	325742.87
KSRB 5.3-2 : Providing and **constructing granite / trap / basalt size stone masonry** in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.25 It No. 5.9)**with available size stones**								
SWD L/s wall	**cum**	2	90.00	0.750	0.75	101.25		
						101.25	3936.84	398605.05
KSRB 5.3-2 : Providing and **constructing granite / trap / basalt size stone masonry** in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.25 It No. 5.9)								

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
R/s wall balance	**cum**	2	90.00	0.600	1.35	145.80		
		1	24.00	0.675	1.60	25.92		
for fencing front side 1st step		1	48.70	0.60	0.60	17.53		
		1	66.20	0.60	0.60	23.83		
for fencing front side 2nd step		1	48.70	0.45	0.60	13.15		
		1	66.20	0.45	0.60	17.87		
Culvert		2	10.00	0.60	1.20	14.40		
fro Left side fencing		1	45.00	0.45	0.45	9.11		
						267.62	AR	
Total Executed Qty upto 125%						**253.98**	5208.84	1322941.18
Total Executed Qty above 125%						**13.64**	4814.52	65667.65
Basic rate PWD SR 2015-16	4542.00							
Add 6% AW	272.52							
	4814.52							
KSRB-4-1.6 : Providing and laying in position plain cement concrete of mix **M 15 withOPC cement** @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/ P.No. 12/ Item No. 4.6/ PWD SR 2013-14								
for SWD Drain vent	**Cum**	1	90.00	1.90	0.15	25.65		
SWD R/s wall coping R/s		1	90.00	0.60	0.10	5.40		
for fixing of poles of fencing		45	0.45	0.45	0.40	3.65		
R/s fencing Poles		46	0.45	0.45	0.40	3.73		
front side fencing coping		1	48.70	0.45	0.10	2.19		
		1	66.20	0.45	0.10	2.98		
Drain bottom		1	114.90	0.60	0.15	10.34		
IRain flagging course coping		2	114.90	0.20	0.10	4.60		
SWD Bottom at end		1	24.00	1.90	0.15	6.84		
coping		2	24.00	0.60	0.10	2.88		
						68.25	AR	
Total Executed Qty upto 125%						**48.03**	4690.50	225261.26
Total Executed Qty above 125%						**20.22**	5389.04	108985.25
Basic rate PWD SR 2015-16	5084.00							
Add 6% AW	305.04							
	5389.04							
Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 22/ Item No. 15.1 PWD SR 2013-14								
SWD	**sqm**	2	90.00	2.10		378.00		
		1	24.00	1.60		38.40		
encing front side		1	48.70	0.60		29.22		
		1	66.20	0.60		39.72		
R/s fencing		1	115.00	0.45		51.75		
D		2	10.00	1.00		20.00		
						557.09	AR	
otal Executed Qty upto 125%						**472.50**	78.44	37062.90
otal Executed Qty above 125%						**84.59**	97.52	8249.22
asic rate PWD SR 2015-16	92.00							
dd 6% AW	5.52							
	97.52							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
oviding **and laying cement concrete** using 20mm and down size granite course gregates and fine aggregates of **ready mixed concrete for R.C.C works** laid in cms thick layers and well compacted including vibrating curing etc., including ooth finish in CM 1:3,with all lead and lift etc., complete. (exclusive of cost of steel d fabrication charges) Ready mixed cement concrete for Beams, column, aircase and Roof with M-20(cement -320 Kg/Cum) Page No. 19/ Item No. 4.49.1/ VD SR 2013-14								
lumn footing	**Cum**	29	1.20	1.20	0.40	16.70		
lumns		29	0.30	0.30	2.20	5.74		
ping L/s SWD wall		1	90.00	0.60	0.15	8.10		
) deck slab		1	10.00	2.00	0.25	5.00		
		1	6.00	3.10	0.25	4.65		
vering slabs		1	114.90	1.20	0.10	13.79		
		1	65.00	1.20	0.10	7.80		
) Ramp		1	10.00	0.75	0.15	1.13	AR	
						62.91	6348.34	399367.72
SRB 4.9.2:**Providing T.M.T steel reinforcement for R.C.C work** including raightening, cutting, bending, hooking, placing in position, lapping and / or welding herever required, tying with binding wire and anchoring to the adjoining members herever necessary complete as per design (laps, hooks and wastage shall not be easured and paid) cost pf materials, labour, HOM of machinery complete as per ecifications.Specification No. KBS 4.6.3 -do- for TMT Bars Fe 415 page No. 19/ em No. 4.46/ PWD SR 2013-14								
	qtl	qty= lt no 7*1.00				62.91	AR	
						62.91	7244.04	455715.31
SRB 4-6.6 : **Providing and removing centering,** shuttering, strutting, propping tc., and removal of form work for **columns,** pillars, piers, post and struts, circular or urved in plan including cost of all materials, labour complete as per specifications. pecification NO KBS 4.6.2 Page No. 17/ Item No. 4.33/ PWD SR 2013-14								
olumn footing	**sqm**	29	4.80	0.40		55.68		
olumns		29	1.20	2.20		76.56	AR	
						132.24	836.34	110597.60
KSRB 4-6.7 : **Providing and removing centering,** shuttering, strutting, propping tc., and removal of form work for sides and soffits of **beams**, beam haunchings, antilever girders, bressumers and lintels not exceeding 1 m in depth including cost f all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.34/ PWD SR 2013-14								
For covering slab	**sqm**	1	114.90	0.60		68.94		
Side		1	114.90	0.15		17.24		
		1	65.00	0.60		39.00		
deck slab		1	10.00	0.75		7.50		
		1	6.00	1.90		11.40		
for sides		2	10.00	0.30		6.00		
		2	6.00	0.30		3.60	AR	
						153.68	239.56	36814.38
KSRB 4-6.11 : **Providing and removing centering**, shuttering, strutting, propping etc., and removal of form work **for stairs** (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.38/ PWD SR 2013-14								
	Not Executed							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	Fabricating supplying and erecting **M.S. TubulerTruss of span upto 10m** bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded togeher with 6mm gusset plate as per drawing, Nos CBS/SD/K- mantap/9/MND/97. The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges,and higher charges of mechineries for cutting welding, granding and erection equipments, etc, complete as per specification. Page No. 46/ I No. 7.30/ PWD SR 2013-14								
		kgs							
		Not Executed							
	Providing Meta color sheet roofing with J or L hooks, bolts and nuts 8mm dia C.I plain and bitumen washers over the existing purlins, rafters and trusses includeing cost of materials, labour, complete as per specifications.								
		sqm							
		Not Executed							
	Providing **chain link fencing 50mm size of 8 guage** properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts, cutting, bending wherever necessary, wastage and lapping etc complete as per direction of the Engineer-in-charge of work including **two coats of approved quality paint** over one coat of shop paint.(P 270 It 37.3)								
	Front side	**sqm**	1	48.70	2.00		97.40		
			1	66.20	2.00		132.40		
	Left side		1	110.00	2.00		220.00	AR	
							449.80	644.48	289887.10
	Supplying and fixing **M.S. Rectangular poles** made out of 2 equal angles of **65x65x6 mm** welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing **2 coats of approved quality paint** over one coat of shop painting. (excluding cost of earth work and concrete)(P 270 It 37.2)								
	Front side	**mtr**	45	2.90			130.50		
	Left side		46	2.90			133.40	AR	
							263.90	1078.02	284489.48
	Providing and fixing **M.S. Block pipe of 38mm dia,** of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including **two coats of approved quality paint** over one coat of shop paint (P 270 It 37.4)								
	Front side	**mtr**	3	48.70			146.10		
			3	66.20			198.60		
	Left side		3	110.00			330.00	AR	
							674.70	292.62	197430.71
								293.62	198105.41

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding prin.g coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Page No. 130/ Item No. 15.75/ PWD SR -2013-14								
	sqm	1	115.90		0.40	69.54		
		1	65.00		0.40	39.00	AR	
						108.54	47.70	5177.36
Fabricating, providing and erecting in poiston of **M.S Ornamental security Grill Gate** with out hot dip using75x12mm M.S flat for alround frame work with verticals at the centre and horizontal centere support M.S square of 20x20mm of different heights as shown in the draing are to be fixed at 16 cms c/c for square bars of full height and at 8cmsc/c for bottom rods providg ornamental CI designers at the botom and c I arrows in the middle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drilling holes. The work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complet cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion of the work as per specification and drawing, Page No. 46/ I No. 7.30/ PWD SR 2013-14								
	kgs	1	6.00	1.80		10.80		
			wt	40 kg/sqm		**432.00**	145.22	62735.04
KSRB 2-1.1: Earth work in surface excavation in ordinary soil for **leveling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1 (PWD SR 2013-14 ,P. No. 5/ Item No. 2.1/)							AR	
	cum	1	120.00	40.00	0.35	**1680.00**	124.02	208353.60
EIRL								
Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. **Page No. 25 / Item No. 5.30 / PWD SR 2015-16**								
	Nos	1	114.90			**114.90**		
		1	65.00			**65.00**		
						180		
						400	320.76	128304.00
Basic rate	297.00							
Add 8% AW	23.76							
Total	**320.76**							
KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25 / Item No. 5.27 / PWD SR 2015-16**								
Front side drain flagging course		2	114.90		0.40	91.92		
		2	65.00		0.40	52.00		
						143.92	1018.44	146573.88
Basic rate	943.00							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Add 8% AW	75.44							
Total	**1018.44**							
Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 11.90 Km (PWD SR 2015-16 Rates P No 139)								
		Qty. Vide Item No. 20				**252.66**	106.34	**26867.00**
Average weight of earth 1.28 tonne / kg	30.46							
Add loading and unloading Charges It	68.00							
	98.46							
Area Weightage @ 8%	7.88							
Total	106.34							
						Total		**4907913.71**
KRIDL charges @ 11%								**539870.51**
1% Third party charges								**49079.14**
								5496863.35
(Rupees fifty Four lakhs Ninety six Thousand eight Hundred sixty three and Paisa thirty five Only)								

Assistant Engineer
ward No 09

Assistant Executive Engineer 02/02/16
Vidyaranyapura sub Division
BBMP, Bangalore

Executive Engineer 2/3/16.
Byatarayanpura Division
BBMP, Bangalore

"Modified Estimate Sanctioned"

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Rangalore 92